

Layer (type)	Output Shape	Param #
input_1 (InputLayer)	(None, 1)	0
lambda_1 (Lambda)	(None, 512)	0
dense_1 (Dense)	(None, 128)	65664
dropout_1 (Dropout)	(None, 128)	0
dense_2 (Dense)	(None, 1)	129
Total params: 65,793		
Trainable params: 65,793		
Non-trainable params: 0		

Train on 180000 samples, validate on 30000 samples

Epoch 1/20
180000/180000 [=====] - 318s 2ms/step - loss: 0.3392 - acc: 0.8516 - val_loss: 0.3163 - val_acc: 0.8615
Epoch 2/20
180000/180000 [=====] - 304s 2ms/step - loss: 0.3100 - acc: 0.8658 - val_loss: 0.3012 - val_acc: 0.8707
Epoch 3/20
180000/180000 [=====] - 316s 2ms/step - loss: 0.2963 - acc: 0.8729 - val_loss: 0.2926 - val_acc: 0.8738
Epoch 4/20
180000/180000 [=====] - 305s 2ms/step - loss: 0.2870 - acc: 0.8784 - val_loss: 0.2832 - val_acc: 0.8796
Epoch 5/20
180000/180000 [=====] - 310s 2ms/step - loss: 0.2776 - acc: 0.8831 - val_loss: 0.2750 - val_acc: 0.8848
Epoch 6/20
180000/180000 [=====] - 313s 2ms/step - loss: 0.2698 - acc: 0.8866 - val_loss: 0.2661 - val_acc: 0.8863
Epoch 7/20
180000/180000 [=====] - 313s 2ms/step - loss: 0.2613 - acc: 0.8911 - val_loss: 0.2561 - val_acc: 0.8946
Epoch 8/20
180000/180000 [=====] - 314s 2ms/step - loss: 0.2538 - acc: 0.8952 - val_loss: 0.2498 - val_acc: 0.8969
Epoch 9/20
180000/180000 [=====] - 314s 2ms/step - loss: 0.2461 - acc: 0.8986 - val_loss: 0.2432 - val_acc: 0.8999
Epoch 10/20
180000/180000 [=====] - 340s 2ms/step - loss: 0.2401 - acc: 0.9013 - val_loss: 0.2372 - val_acc: 0.9049
Epoch 11/20
180000/180000 [=====] - 314s 2ms/step - loss: 0.2328 - acc: 0.9046 - val_loss: 0.2289 - val_acc: 0.9071
Epoch 12/20
180000/180000 [=====] - 313s 2ms/step - loss: 0.2262 - acc: 0.9077 - val_loss: 0.2225 - val_acc: 0.9112
Epoch 13/20
180000/180000 [=====] - 315s 2ms/step - loss: 0.2199 - acc: 0.9106 - val_loss: 0.2168 - val_acc: 0.9132
Epoch 14/20
180000/180000 [=====] - 314s 2ms/step - loss: 0.2152 - acc: 0.9126 - val_loss: 0.2084 - val_acc: 0.9179
Epoch 15/20
180000/180000 [=====] - 313s 2ms/step - loss: 0.2088 - acc: 0.9157 - val_loss: 0.2103 - val_acc: 0.9163
Epoch 16/20
180000/180000 [=====] - 316s 2ms/step - loss: 0.2040 - acc: 0.9177 - val_loss: 0.2025 - val_acc: 0.9199
Epoch 17/20
180000/180000 [=====] - 313s 2ms/step - loss: 0.1984 - acc: 0.9199 - val_loss: 0.1979 - val_acc: 0.9223
Epoch 18/20
180000/180000 [=====] - 313s 2ms/step - loss: 0.1929 - acc: 0.9228 - val_loss: 0.1901 - val_acc: 0.9264
Epoch 19/20
180000/180000 [=====] - 313s 2ms/step - loss: 0.1883 - acc: 0.9243 - val_loss: 0.1837 - val_acc: 0.9298
Epoch 20/20
180000/180000 [=====] - 311s 2ms/step - loss: 0.1825 - acc: 0.9277 - val_loss: 0.1868 - val_acc: 0.9287
90000/90000 [=====] - 124s 1ms/step

Test score: 0.1845743233806557

Test accuracy: 0.9279666666666667